

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Shomir Ghosh, Amy M. Elder, Kenneth G. Carson, Kevin Sprott and Sean Harrison

Application No.: 10/678,872 Group Art Unit: 1614

Filed: October 3, 2003 Examiner: Not Assigned

Confirmation No.: 1269

Title: PGD2 RECEPTOR ANTAGONISTS FOR THE TREATMENT OF INFLAMMATORY DISEASES

CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
4-22-04	<i>Sandra Brigham</i>
Date	Signature
SANDRA BRIGHAM	
Typed or printed name of person signing certificate	

REVOCATION OF POWERS OF ATTORNEY AND APPOINTMENT OF NEW ATTORNEYS AND/OR AGENTS AND CHANGE OF CORRESPONDENCE ADDRESS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Millennium Pharmaceuticals, Inc., a Corporation duly organized under the laws of the State of Delaware, is the assignee of the entire right, title and interest in the above-identified application. Millennium Pharmaceuticals, Inc. hereby appoints the attorneys and/or agents associated with:

**Customer No. 021005**

Hamilton, Brook, Smith & Reynolds, P.C.  
530 Virginia Road  
P.O. Box 9133  
Concord, Massachusetts 01742-9133

and

Scott A. Brown, Reg. No. 32,724;  
Ian R. Silverman, Reg. No. 37,443;  
Jean M. Silveri, Reg. No. 39,030;  
Allan N. Kutzenko, Reg. No. 38,945;  
Janice M. Klunder, Reg. No. 41,121;  
Kerri Pollard Schray, Reg. No. 47,066;  
Tracy M. Sioussat, Reg. No. 50,609


to prosecute the above-identified application and any divisions or continuations thereof and to conduct all business in the United States Patent and Trademark Office. All previously granted Powers of Attorney are hereby revoked.

A Statement under 37 C.F.R. §3.73(b) is submitted herewith.

All correspondence should be sent to Customer No. 021005, Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, P.O. Box 9133, Concord, Massachusetts 01742-9133. Please direct all telephone calls to Steven G. Davis at (978) 341-0036, and all facsimile communications to (978) 341-0136.

Respectfully submitted,

Millennium Pharmaceuticals, Inc.

  
By Ian Robert Silverman  
Title Associate General Counsel  
Date April 16, 2004

**STATEMENT UNDER 37 C.F.R. § 3.73(b)**

Inventor(s): Shomir Ghosh, Amy M. Elder, Kenneth G. Carson, Kevin Sprott, Sean Harrison

Application No./Patent No.: 10/678,872 Filed/Issue Date: October 3, 2003

For: PGD2 Receptor Antagonists for the Treatment of Inflammatory Diseases

Millennium Pharmaceuticals, Inc., a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

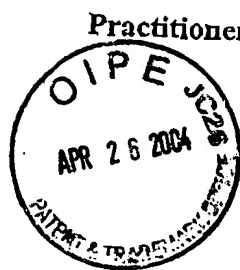
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: April 16, 2004

Name: Ian Robert Silverman

Title: Associate General Counsel

Signature: Ian Robert Silverman

Practitioner's Docket No. MPI02-110P1RN**COPY** PATENT

For: U.S. and Foreign Rights  
For: U.S. Application  
By: Inventors

**ASSIGNMENT OF INVENTION**

WHEREAS,

**ASSIGNORS:**

Ghosh, Shomir  
134 Sewall Avenue, Unit C  
Brookline, MA 02446  
Nationality: India

Elder, Amy M.  
15 Westminster Avenue  
Arlington, MA 02474  
Nationality: United States of America

Carson, Kenneth G.  
21 Sterling Road  
Needham, MA 02492  
Nationality: United States of America

Sprott, Kevin  
67 Monument Avenue #2  
Boston, MA 02129  
Nationality: United States of America

Harrison, Sean  
38 Grove Street  
Belmont, MA 02478  
Nationality: United States of America

have co-invented a certain invention entitled:

**PGD2 RECEPTOR ANTAGONISTS FOR THE TREATMENT OF INFLAMMATORY DISEASES**

for which they have executed an application for a United States patent, which was filed on October 3, 2003, under U.S. Application No. 10/678,872; and

Practitioner's Docket No. MPI02-110P1RN

**WHEREAS,**

**ASSIGNEE:**

MILLENNIUM PHARMACEUTICALS, INC.

40 Landsdowne Street

Cambridge, MA 02139

State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent application and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render

Practitioner's Docket No. MPI02-110PIRN

all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN WITNESS WHEREOF, I have hereunto set hand and seal this 24<sup>th</sup> day of February, 2004.

Shomir Ghosh

Shomir Ghosh

NOTARIZATION ACCOMPANYING ASSIGNMENT

Commonwealth of Massachusetts  
County of Middlesex

Before me this 24<sup>th</sup> day of February, 2004, personally appeared the above named **Shomir Ghosh**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

Ann Siteray

Signature of Notary Public

Print Name ANN SITERAY

My Commission expires: 4/19/07

Practitioner's Docket No. MPI02-110P1RN

IN WITNESS WHEREOF, I have hereunto set hand and seal this 19<sup>th</sup> day of February, 2004.

Amy M. Elder  
Amy M. Elder

### NOTARIZATION ACCOMPANYING ASSIGNMENT

Commonwealth of Massachusetts  
County of Middlesex

Before me this 19<sup>th</sup> day of February, 2004, personally appeared the above named **Amy M. Elder**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

Ann Sherry  
Signature of Notary Public

Print Name ANN SHERRY  
My Commission expires: 4/19/07

Practitioner's Docket No. MPI02-110P1RN

IN WITNESS WHEREOF, I have hereunto set hand and seal this 23 day of February, 2004.

Kenneth G. Carson  
Kenneth G. Carson

### NOTARIZATION ACCOMPANYING ASSIGNMENT

Commonwealth of Massachusetts  
County of Middlesex

Before me this 23<sup>rd</sup> day of February, 2004, personally appeared the above named **Kenneth G. Carson**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

Virginia Lee Hawkes  
Signature of Notary Public

Print Name Virginia Lee Hawkes

My Commission expires: 6-13-08



Practitioner's Docket No. MPI02-110P1RN

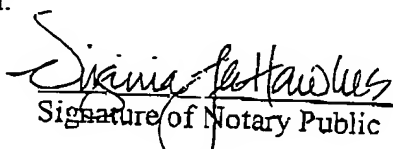
IN WITNESS WHEREOF, I have hereunto set hand and seal this 20<sup>TH</sup> day of February, 2004.

  
Kevin Sprout

**NOTARIZATION ACCOMPANYING ASSIGNMENT**

Commonwealth of Massachusetts  
County of Middlesex

Before me this 20 day of February, 2004, personally appeared the above named **Kevin Sprout**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.


  
Signature of Notary Public

Print Name Virginia Leet Hawkes

My Commission expires June 13, 2008

Practitioner's Docket No. MPI02-110P1RN

IN WITNESS WHEREOF, I have hereunto set hand and seal this 25 day of February, 2004.

  
Sean Harrison

### NOTARIZATION ACCOMPANYING ASSIGNMENT

Commonwealth of Massachusetts  
County of Middlesex

Before me this 25<sup>th</sup> day of February, 2004, personally appeared the above named **Sean Harrison**, to me known to be the person described in, and who executed the foregoing assignment instrument and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

  
Signature of Notary Public

Print Name ANN STERRY  
My Commission expires: 4/19/07